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| TRANSMITTAL FORM (to be used for all correspondence after initial filing) | Application Number | 09/888,882 |
| | Filing Date | June 25, 2001 |
| | First Named Inventor | Mesecher et al. |
| | Art Unit | 2686 |
| | Examiner Name | Nghi H. Ly |
| Total Number of Pages in This Submission | Attorney Docket Number | I-2-0105.1US |

| ENCLOSURES (Check all that apply) | | |
|---|---|---|
| <input type="checkbox"/> Fee Transmittal Form | <input type="checkbox"/> Drawing(s) | <input type="checkbox"/> After Allowance communication to Technology Center (TC) |
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| <input type="checkbox"/> Affidavits/declaration(s) | <input type="checkbox"/> Power of Attorney, Revocation | <input type="checkbox"/> Status Letter |
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| <input type="checkbox"/> Express Abandonment Request | <input type="checkbox"/> Terminal Disclaimer | Form PTO-1449 w/ copies of cited references |
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| <input type="checkbox"/> Certified Copy of Priority Document(s) | <input type="checkbox"/> CD, Number of CD(s) _____ | |
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| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | | |
| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT | | |
| Firm or Individual name | Anthony L. Venezia | Reg. No. 48,382 |
| | Volpe and Koenig, P.C. | |
| Signature | | |
| Date | October 29, 2004 | |

| CERTIFICATE OF TRANSMISSION/MAILING | | |
|--|--------------------|------------------|
| I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. | | |
| Typed or printed name | Anthony L. Venezia | |
| Signature | | Date |
| | | October 29, 2004 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PATENT

THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the **PATENT APPLICATION** of:

Mesecher et al.

Application No.: 09/888,882

Our File: I-2-0105.1US

Confirmation No.: 1182

Date: October 29, 2004

Filed: June 25, 2001

For: ADAPTIVE CANCELLATION OF FIXED INTERFERERS

Group: 2686

Examiner: Nghi H. Ly

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
INCLUDING RULE 1.704(d) STATEMENT**

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Further to Applicants' Duty of Disclosure pursuant to 37 C.F.R. §1.56, Applicants wish to bring to the Examiner's attention the material cited on the enclosed PTO-1449 form. Newly cited documents are indicated by an asterisk (*).

Pursuant to amended 37 C.F.R. §1.98(a)(2)(i), copies of the newly cited U.S. patent documents have not been included. All other newly cited documents have been included.

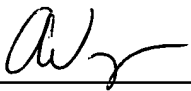
Per Rule 1.704(d), the undersigned certifies that each newly cited item of information contained in this Supplemental Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application, and

that this communication was not received by any individual designated in §1.56(c) more than thirty (30) days prior to the filing of the supplemental information disclosure statement.

It is respectfully requested that the Examiner consider these documents and return an initialed copy of the PTO-1449 form indicating his/her consideration of the cited materials.

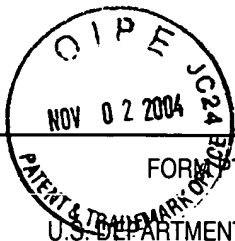
Respectfully submitted,

Mesecher et al.

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ALV/ks
Enclosures (6)



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|--|----------------------------------|--------------------------|
| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) | ATTY. DOCKET NO. I-2-0105.1US | SERIAL NO. 09/888,882 |
| | APPLICANT Mesecher et al. | |
| | FILING DATE June 25, 2001 | GROUP 2686 |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|---|-----------------|---------|---------------|-------|----------|-------------------------------|
| | | 4,644,359 | 02/1987 | Katagi et al. | | | |
| | * | 5,493,307 | 02/1996 | Tsujimoto | | | |
| | | 5,694,134 | 12/1997 | Barnes | | | |
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FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|--|---|-----------------|---------|---------|-------|----------|-------------|----|
| | | | | | | | YES | NO |
| | | 0684660 | 11/95 | EP | | | | |
| | | 3223598 | 05/1991 | DE | | | | |
| | * | S48-8437 | 06/1971 | JP | | | X** | |
| | * | S58-101508 | 06/1983 | JP | | | X** | |
| | * | S58-103205 | 06/1983 | JP | | | X** | |
| | * | S58-164301 | 09/1983 | JP | | | X** | |
| | * | H7-245519 | 09/1995 | JP | | | X** | |
| | | 7321535 | 12/1995 | JP | | | | |
| | * | H9-135119 | 05/1997 | JP | | | X** | |
| | * | 97/02714 | 01/1997 | WO | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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** Abstract Only

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| EXAMINER | DATE CONSIDERED |
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.